

CLAIMS

What is claimed is:

1. A method for providing warnings for unreachable breakpoints by a debugger, said method comprising:

in response to a breakpoint set by a user, wherein said breakpoint is set within an application program source code monitored by said debugger, determining whether or not said breakpoint is set on a statement listed in an unreachable statement list; and

in response to a determination that said breakpoint is set on a statement listed in an unreachable statement list, displaying an unreachable breakpoint warning to said user by said debugger.

1 2. The method of Claim 1, wherein said displaying step further includes highlighting
2 a cause statement associated with said unreachable breakpoint by said debugger.

1 3. The method of Claim 1, wherein said unreachable statement list further includes at
2 least one unreachable statement entry.

1 4. The method of Claim 3, wherein said at least one unreachable statement entry is
2 associated with a cause statement entry.

1 5. The method of Claim 1, wherein said unreachable statement list is generated by a
2 CheckBlock() function call.

continued on next page

1 6. A computer program product residing on a computer usable medium for providing
2 warnings for unreachable breakpoints in a debugger, said computer program product
3 comprising:

4 program code means for determining whether or not a breakpoint is set on
5 a statement listed in an unreachable statement list, in response to said breakpoint set
6 by a user, wherein said breakpoint is set within an application program source code
7 monitored by said debugger; and

8 program code means for displaying an unreachable breakpoint warning to
9 said user by said debugger, in response to a determination that said breakpoint is
10 set on a statement listed in an unreachable statement list.

1 7. The computer program product of Claim 6, wherein said program code means for
2 displaying further includes program code means for highlighting a cause statement
3 associated with said unreachable breakpoint by said debugger.

1 8. The computer program product of Claim 6, wherein said unreachable statement list
2 further includes at least one unreachable statement entry.

1 9. The computer program product of Claim 8, wherein said at least one unreachable
2 statement entry is associated with a cause statement entry.

1 10. The computer program product of Claim 6, wherein said unreachable statement list
2 is generated by a CheckBlock() function call.

1 11. A computer system having a debugger capable of providing warnings for
2 unreachable breakpoints, said computer system comprising:

3 a processor;

4 a monitor coupled to said processor; and

5 a memory coupled to said processor, wherein said memory includes

6 means for determining whether or not a breakpoint is set on a
7 statement listed in an unreachable statement list, in response to said
8 breakpoint set by a user, wherein said breakpoint is set within an
9 application program source code monitored by said debugger; and

10 means for displaying an unreachable breakpoint warning on said
11 monitor to said user by said debugger, in response to a determination
12 that said breakpoint is set on a statement listed in an unreachable
13 statement list.

1 12. The computer system of Claim 11, wherein said means for displaying further
2 includes means for highlighting a cause statement associated with said unreachable
3 breakpoint by said debugger.

1 13. The computer system of Claim 11, wherein said unreachable statement list further
2 includes at least one unreachable statement entry.

1 14. The computer system of Claim 13, wherein said at least one unreachable statement
2 entry is associated with a cause statement entry.